CLAIMS

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1	1. A gas lighter comprising:
2	a reservoir having an upper wall;
3	a well, the well passing through the upper wall; and
4	a gas-dispensing device having at least one tubular element arranged in the well,
5 6 7	wherein the tubular element has at least one snap-fitting member designed to cooperate with a retaining element secured to the upper wall when the tubular element is assembled with the reservoir.
1 2 3	2. A lighter according to claim 1, wherein the tubular element comprises two snap-fitting members for engaging the retaining element to snap-fit the tubular element in the upper wall of the reservoir in the well.
1 2	3. A lighter according to claim 1, wherein the upper wall is formed integral with the reservoir.
1 2	4. A lighter according to claim 1, wherein the upper wall of the reservoir, the well and the tubular element are all in the shape of a cylinder that is circularly symmetrical.
1 2	5. A lighter according to claim 1, wherein the tubular element and the upper wall of the reservoir in the well have relatively smooth walls.
1 2	6. A lighter according to claim 1, further comprising an annular seal arranged between the wall and the tubular element.
1 2 3	7. A lighter according to claim 6, wherein the annular seal is arranged between a radially external rim formed on the tubular element and a radially internal rim formed on the wall.
1 2 3 4 5	8. A lighter according to claim 7, wherein the tubular element has a first axial distance (H ₁), extending between the radially external rim and a point of contact where the snap-fitting member engages the retaining element, and the upper wall has a second axial distance (H ₂) between the radially internal rim and the point of contact, the first and second distances (H ₁ , H ₂) being chosen to exert a pre-determined pressure on the annular seal.
1 2	9. A lighter according to claim 1, wherein the retaining element is formed on a lower portion of an interior face of the upper wall.
1 2	10. A lighter according to claim 1, wherein the snap-fitting member is arranged in a lower part of the tubular element.
1 2 3	11. A lighter according to claim 10, wherein the snap-fitting member comprises a tab having a nib, the nib being directed radially outwards and having a transverse face, the tab being elastic in a radial direction.

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A lighter according to claim 1, wherein the tubular element further 12. 2 comprises a regulating device. A lighter according to claim 12, wherein the regulating device is a 13. 2 microporous membrane. A lighter according to claim 13, wherein the tubular element further 14. comprises a metal inner tube having a lowered end for receiving the microporous 2 3 membrane. A lighter according to claim 1, wherein the tubular element has an upper end 15. comprising a radially internal rim defining an opening through which there passes an outlet 2 duct of a valve, the valve being moveable along an axis of the tubular element, wherein a 3 compression spring is arranged between the radially internal rim and the valve. 4 16. A lighter according to claim 1, wherein the reservoir is formed of a material 1 selected from the group consisting of styrene acrylonitriles or acrylonitrile butadiene 2 3 styrenes. A lighter according to claim 1, wherein the tubular element is made of semi-17. 1 2 crystalline polymer. 18. A gas lighter comprising: 1 a reservoir containing a fuel, the reservoir having an upper wall, 2 a well, the well passing through the upper wall; and 3 a gas-dispensing device having at least one tubular element including at least one 4 5 snap-fitting member; wherein the upper wall includes a retaining element for engaging the snap-fitting 6 7 member. A lighter according to claim 18, wherein the tubular element comprises two 1 snap-fitting members for engaging the retaining element to snap-fit the tubular element in 2 the upper wall of the reservoir in the well. 3 A lighter according to claim 18, wherein the upper wall is formed integral 20. 1 2 with the reservoir. A lighter according to claim 18, wherein the upper wall of the reservoir, the 21. well and the tubular element are all in the shape of a cylinder that is circularly symmetrical. 2 A lighter according to claim 18, wherein the tubular element and the upper 1 2 wall of the reservoir in the well have relatively smooth walls. A lighter according to claim 18, further comprising an annular seal arranged 1 23. 2 between the upper wall and the tubular element. A lighter according to claim 23, wherein the annular seal is arranged 1 24. 2 between a radially external rim formed on the tubular element and a radially internal rim 3 formed on the upper wall.

- A lighter according to claim 24, wherein the tubular element has a first axial 25. distance (H₁), extending between the radially external rim and a point of contact where the 2 snap-fitting member engages the retaining element, and the wall has a second axial distance 3 (H₂) between the radially internal rim and the point of contact, the first and second distances 4 (H_1, H_2) being chosen to exert a pre-determined pressure on the annular seal. 5
 - A lighter according to claim 18, wherein the retaining element is formed on a 26. lower portion of an interior face of the upper wall.

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- A lighter according to claim 18, wherein the snap-fitting member is arranged in a lower part of the tubular element.
- A lighter according to claim 27, wherein the snap-fitting member comprises 1 a tab having a nib, the nib being directed radially outwards and having a transverse face, the 2 tab being elastic in a radial direction. 3
 - A lighter according to claim 18, wherein the tubular element further comprises a regulating device.
 - A lighter according to claim 29, wherein the regulating device is a 30. microporous membrane.
 - A lighter according to claim 30, wherein the tubular element further comprises a metal inner tube having a lowered end for receiving the microporous membrane.
- A lighter according to claim 18, wherein the tubular element has an upper 32. end comprising a radially internal rim defining an opening through which there passes an 2 outlet duct of a valve, the valve being moveable along an axis of the tubular element, wherein a compression spring is arranged between the radially internal rim and the valve. 4
- A lighter according to claim 18, wherein the reservoir is formed of a material 33. selected from the group consisting of styrene acrylonitriles or acrylonitrile butadiene 2 3 styrenes.
 - A lighter according to claim 18, wherein the tubular element is made of 34. semi-crystalline polymer.
- A method of manufacturing a gas lighter having a reservoir including an 35. 1 upper wall having a retaining element and a well which passes through the upper wall, the 2 method comprising: 3
- providing a gas dispensing device within the well, the gas dispensing device including at least one tubular element having at least one snap-fitting member, wherein the 5 step of providing a gas dispensing device within the well comprises: 6
- placing the tubular element into the well until the snap-fitting member engages the 7 8 retaining element thereby securing the dispensing device into the well.
- The method of claim 35, wherein the tubular element comprises two snap-36. 1 2 fitting members for engaging the retaining element.
- The method of claim 35, wherein the upper wall is formed integral with the 37. 2 reservoir.

- 1 38. The method of claim 35, wherein the upper wall of the reservoir, the well and the tubular element are all in the shape of a cylinder that is circularly symmetrical.
- 1 39. The method of claim 35, wherein the tubular element and the upper wall of the reservoir in the well have relatively smooth walls.
 - 40. The method of claim 35, further comprising providing an annular seal between the upper wall and the tubular element.

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- 41. The method of claim 40, wherein the annular seal is arranged between a radially external rim formed on the tubular element and a radially internal rim formed on the upper wall.
- 42. The method of claim 41, wherein the tubular element has a first axial distance (H₁), extending between the radially external rim and a point of contact where the snap-fitting member engages the retaining element, and the wall has a second axial distance (H₂) between the radially internal rim and the point of contact, the first and second distances (H₁, H₂) being chosen to exert a pre-determined pressure on the annular seal.
- 1 43. The method of claim 35, wherein the retaining element is formed on a lower portion of an interior face of the upper wall.
 - 44. The method of claim 35, wherein the snap-fitting member is arranged in a lower part of the tubular element.
 - 45. The method of claim 44, wherein the snap-fitting member comprises a tab having a nib, the nib being directed radially outwards and having a transverse face, the tab being elastic in a radial direction.
- 1 46. The method of claim 35, wherein the tubular element further comprises a regulating device.
 - 47. The method of claim 46, wherein the regulating device is a microporous membrane.
- 1 48. The method of claim 47, wherein the tubular element further comprises a metal inner tube having a lowered end for receiving the microporous membrane.
 - 49. The method of claim 35, wherein the tubular element has an upper end comprising a radially internal rim defining an opening through which there passes an outlet duct of a valve, the valve being moveable along an axis of the tubular element, wherein a compression spring is arranged between the radially internal rim and the valve.
- The method of claim 35, wherein the reservoir is formed of a material selected from the group consisting of styrene acrylonitriles or acrylonitrile butadiene styrenes.
- The method of claim 35, wherein the tubular element is made of semicrystalline polymer.